10	20	30	40	50
ATGAATAACA	CATCTTGCAA	CTTCAACGTC	ACTCTCAACG	CATCGGCACC
60	70	80	90	100
AAGCCGATAC	ATAGCTATTG	CTATGTACAG	CATTGTTATC	TGTATCGGGT
110	120	130	140	150
TGGTTGGAAA	CCTGCTGTTA	TGCATCGTGT	TAGTCAAGAA	ACGCAAACTG
160	170	180	190	200
CGATATTCCA	GCGATGTTTA	TTTTTTCCAC	GCCTCTATGG	CCGACCTCGT
210	220	230	240	250
CAGCACTGTC	ATGCTACCGC	TCTGGCTACA	TTATGTCCTC	AACTTTGCCC
260	270	280	290	300
AACTCTCTCG	AGGAGCCTGT	ATCAGCTTTT	CGGTGACTTT	CTATGTTCCC
310	320	330	340	350
CTTTTCGTTC	AGGCCTGGTT	ACTCATTTCC	ATCGCTATGG	AGCGATATTC
360	370	380	390	400
CAACTTAGTA	TGGATGGCAC	CCATTAGCGT	TAAGACGGCC	TTTAAACACT
410	420	430	440	450
GCATAGGAAC	CTGGATCGTA	TCTGCCTTCG	TGGCATCACC	CTACTACGCA
460	470	480	490	500
TACAGAAACT	CACACGACGA	ACACGAATGC	ATTCTAGGAA	ACTACACTTG
510	520	530	540	550
GCACATTAAC	GAACCGCTAC	ACACGTGTAT	GGATGTGGTG	ATCATAGTAT
560	570	580	590	600
GGACCTTTTT	GGCCCCAGTA	CTGGTAACCA	TTATAGCAAG	CGTCAAAATG
610	620	630	640	650
AGACGAACGA	CCTGGGGCAA	TACTAGGTTA	AACGAAAAGA	ACAGCGACAT
660	670	680	690	700
TCTTATAGTA	CTAGTTGTCA	TGACAGTGTT	CTTTTGGGGA	CCGTTTAATA
710	720	730	740	750
TCGTGTTGGT	TATTGACAAT	ATTTTACAGA	GATACTATGA	TACCACGAAT
760	770	780	790	800
TGCGATGTAG	AAAAGATTAA	ACATATCATG	GCTATGATCT	CAGAAGCCAT
810	820	830	840	850
TGTTTATTTT	CGCGGTATTA	CAGCACCTAT	TATTTATGTA	GGGATTAGTG
860	870	880	890	900
GCAGATTTCG	CGAAGAGATT	TACTCTCTGT	TTAGACGCCA	GCCGTATAAC
910	920	930	940	950
GATTTGGACC	CCGATGCCAA	TCAATTCATG	ATTGAACTCA	CTAGCCAGGG
960	970	980	990	1000
AAGAAGTAGA	AATAGAAATG	CTAGACAATC	GGAAAGCAAT	GTACCGCAAC
1010	1020			
CAGAAGAATG	CTTCTGGTAA			

FIG. 1

10	20	30	40	50
ATGACCAACG	CCGGACACTG	TCACATAAAC	GAAAGTCTCG	CGTCGTATGG
60	70	80	90	100
AATCGCTCCC	GCAGCTACCA	TTACCTTATA	CAGCATTGCG	GGAATCTGCG
110	120	130	140	150
GTGTCACGGG	AAATCTGTTA	ATACTTTTGG	TTTTGTTCAC	GAGACGCATA
160	170	180	190	200
CACTGGTTCG	CAAATGACAT	CTACTATCTC	AACATGATCT	TTACAGACTT
210	220	230	240	250
TCTTGTTTTC	ATTACATTAC	CCGCCTGGGT	TTACTACCTG	CTGAATTACA
260	270	280	290	300
CACAACTCTC	ACACTATGCC	TGCATTGCTC	TATCATTGT	TTTTTACGTT
310	320	330	340	350
TCCATTTTTA	TTCAAGCTGA	CTTTATGGTA	GCAGTGGCTA	TCGAGCGTTA
360	370	380	390	400
TCGAAGCCTA	GTGAAAAACA	AACCCCTTAG	CGTAAAAAAA	GCCAGCGTCA
410	420	430	440	450
GCTGCGCGTG	CATCTGGATC	ATTGTTATTA	TAGTGTCTTC	ACCATACTAC
460	470	480	490	500
ATGTTTAGAT	CGCAACACGA	AACAAATTCT	TGCATTCTAG	GAAACTACAC
510	520	530	540	550
CTGGCATATG	AACAGTCCTT	TTCGCACCAC	AATGGACGCA	TCCATTAACA
560	570	580	590	600
TTTGGTCTTT	TGTCGTTCCG	GCCGTGACGA	CCTTGTTAAT	AGCCAGACGA
610	620	630	640	650
ATTTATGTAT	GTACTTCAGG	CAACAAAAAA	ATGAACGCCA	GAGCCAGTGG
660	670	680	690	700
TTTGTTAGAG	GCCATGGTGA	TTAGCATGTT	ATTCTTCGGA	GGACTTTTCA
710	720	730	740	750
ACCTGAACAT	CTTTCGAGAC	ATAGTTTCGG	ACACATCGGA	AGACAATAAA
760	770	780	790	800
GACTGCACAT	ATCTTAAGCA	GGAACACTTT	ATTCGCATGG	TCGGTGTGGC
810	820	830	840	850
CCTCGTTTAC	GGGCGCGCTA	TATTCAACCC	TTTTATGTAT	ATGTGTGTGA
860	870	880	890	900
GTACCAGATT	GCGCCAAGAA	ATAAATGTT	TGTTTATGCG	AATACCTTAT
910	920	930	940	950
GAAACACTAG	ATGCAGAACA	CGCTAAACTC	ATGGTTAATT	TAAAAAACAG
960	970	980	990	1000
AAATGCTAAT	GTACCCGATC	CTAAACCTCG	TGAATATGAA	TCTGTGTTAT
1010				
AG-------				

FIG. 2

10	20	30	40	50
ATGACCAACA	CTAACAATAC	GACTTGTCAT	CTCAACGGAA	CTTTCGAAAC

60	70	80	90	100
TTTTAAAATC	ACCCGTCCAG	TAGCCATCAG	CGCCTACACT	GTACTCGTGG

110	120	130	140	150
TTATCGGACT	TTTGGGAAAC	ATTGTGCTGC	TCAGCGTGCT	CGTCGTGAAA

160	170	180	190	200
CGCAAGCTCA	AGTTTCCGAA	TGACATTTAC	TTTTTCAACG	CGTCTTTGGC

210	220	230	240	250
AGACGTTTTT	GCCGTCTGCA	TGTTGCCCGC	CTGGGTTAAC	TATGCACTGG

260	270	280	290	300
ACTCCACACA	ACTTAGCAAG	TTCTCATGTA	TCACTTTTAC	GTTTGGTTTT

310	320	330	340	350
TACGTCTCCC	TGTTCATCCA	GGCCTGGATG	CTCATTCTGG	TCACCCTGGA

360	370	380	390	400
GCGATACGGA	TCTCTAGTCT	GGATCGCCCC	GATCACCAGA	AACAAAGCCA

410	420	430	440	450
TAGCGAATTG	TGTACTCTTT	TGGCTTGTTT	CCATCTTCTT	GGCCGCACCT

460	470	480	490	500
TACTACTCTT	TTAGAAACGA	AAGCAACGAA	CACCAATGCA	TCATGAGAAA

510	520	530	540	550
CTATACCTGG	AGCGTTGGTG	AAACATGGCA	CATAGCCCTG	GATTTCTTAA

560	570	580	590	600
TTACGCTCAT	TACATTTATC	ATGCCAGTGA	CTATTGTGTT	AGCTCTGAGT

610	620	630	640	650
TTCAAAATGG	CCAGATGGTC	AACCTTTGGT	TACAGAAACC	TCACCAGCAG

660	670	680	690	700
AACCAGTCTT	ATCCTTATTT	TGATACTGAC	AGTAGCAGCA	GGGTTCTGGG

710	720	730	740	750
GACCTTTTCA	CCTATTTATG	TTTATAGAAA	ACGTGGCAGG	GCAGATTTAC

760	770	780	790	800
CACATTCAAA	AGGATTGCTG	GTACTTACAG	CTCAGACACT	TGTGTAGCTT

810	820	830	840	850
GATGACCGAA	ACCCTAGTGT	TTCTACGTTC	AGTTTTTAAC	CCTTATATTT

860	870	880	890	900
ATATGATAAT	CAGTTACAAG	TTTAGGCAGC	AGGTGCGCAG	TCTACTCAAG

910	920	930	940	950
CGTACTCAGT	ATGATGCTTT	GGACACGACT	CAGTTAGCAG	AAACTATGCA

960	970	980	990	1000
GCTGAAAGCG	AAAGGTGTGC	CGGTGTCCGA	CCCCGCGCCG	CATGACTGCG

1010	1020
AATGCTTTTT	GTAA------

FIG. 3

```
         10          20          30          40          50
    ATGAATTCGA  GCCAGCACAA  CATAAGCGTG  TTTCTCTCCA  TTGGAGCAGG

         60          70          80          90         100
    GCCCGTCATT  ACCGGATACA  CGTGCGTTTT  TCTGTTCGGG  ATTCTGGGAC

        110         120         130         140         150
    ACTTTTACTT  GTATTGGAAA  AACCATCAGA  GACGACACCG  GACAAACAGT

        160         170         180         190         200
    TTCAGTGATG  TTTTATTTCG  ACATCTCATG  ATCACCGAAG  AGGTCTTTAC

        210         220         230         240         250
    CCTCACCATT  CCCGTCTGGG  CGTATCACTT  AACTACTCAC  GGCAACTTAC

        260         270         280         290         300
    CGGGCTCGTG  GTGCCGAAGT  CTCACCTTCG  TTTTTTATCT  AACGGTATTC

        310         320         330         340         350
    GCTCGTGCCT  TCTTTTACCT  GCTCCTCATC  TGGGACCGAT  ACAGCGTAAT

        360         370         380         390         400
    CATCTGCAGA  CACCCTCTCC  CCGTTAATCT  GAACTACAGT  CAGGTCATAG

        410         420         430         440         450
    GCCTGTCTGT  CTGGCTGGTT  GCCGTACTGT  CAGCATCACC  GTTCTCCATT

        460         470         480         490         500
    TTTAACGGAA  GTGTGAAACA  ATGCCTGGGC  AACATGGGCA  GCATACCCAG

        510         520         530         540         550
    CGAATCGTCT  GCCGTTCTTA  ACCTGGAAGT  GCACCTGTGC  TCCTTCTGGT

        560         570         580         590         600
    TACCGCTCAT  CATGTCGGCT  AACTGTTACT  ACCAAGCAAA  ACGCCGAGCA

        610         620         630         640         650
    TCGCCTGACC  AACTCCACGA  ACTTTACCGA  TGCAGTTTGC  TAATTACCATA

        660         670         680         690         700
    TTCACAACT   TACGCTATCG  TATGGTTTCC  TTTCCATCTC  GCTTTACTCA

        710         720         730         740         750
    TAGACGCCCT  GATTAGCATA  AGCCATGTAG  AACCCTCTAG  CGCTCTCCAC

        760         770         780         790         800
    TGGGCATCCA  TTGTCGTTAC  CTGTAAATCA  TTTACATTTG  TATATGCGGG

        810         820         830         840         850
    CATAAGCCCA  CTAGTGTATT  TCACATGCTG  CCCCACCGTA  CGTCGCGAAC

        860         870         880         890         900
    TGCTGATGTC  TCTACGTCCA  TTCTTCACCT  GGATTTCCAG  CAAAACGCGG

        910         920         930         940         950
    CGAGGCTACG  CTCCGATTAA  AACACAACCT  TTAAACATCC  CCGACGAGCC

        960         970         980         990
    GATAGATAAC  AAGTCACCGC  ACCTGTTAAA  CGAATAA---
```

FIG. 4
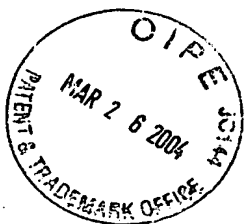
	10		20		30		40		50
	ATGACTACCA		CCACAATGAG		TGCTACCACG		AATTCCAGTA		CCACGCCTCA

	60		70		80		90		100
	AGCAAGCAGC		ACCACGATGA		CAACGAAGAC		AAGCACTCCT		GGCAATACAA

	110		120		130		140		150
	CTACTGGCAC		TACGTCCACC		CTGACAACGA		TATCAACAAC		TTCTAATGCT

	160		170		180		190		200
	ACCAGCATAA		CGTCTAATTT		AAGCACTACC		GGAAACCAAA		CTGCAACTAC

	210		220		230		240		250
	CAATGCTACT		ACCTTCAGTT		CCACATTAAC		AACATCTACA		AATATAAGCA

	260		270		280		290		300
	GTACATTTTC		GACAGTTTCT		ACCGTCGCAT		CCAATGCAAC		ATGTAATTCT

	310		320		330		340		350
	ACAATCACAA		CGAATATTAC		AACTGCTTTT		ACTACAGCAG		CAAACACTAC

	360		370		380		390		400
	CGCAAGCAGC		CTCACCAGCA		TCGTAACTTC		ACTTGCCACT		ACCATTGAAA

	410		420		430		440		450
	CCACATCATT		TGATTATGAT		GAGTCAGCAG		AAGCTTGCAA		CTTAACAGAC

	460		470		480		490		500
	ATCGTTCATA		CTACTAGATC		AGTGACAGTT		ACTTTCTATA		CTATCATATT

	510		520		530		540		550
	CATACTCGGC		CTTTTGGGAA		ACTTTCTGGT		TCTTATGACC		ATCATTTGGA

	560		570		580		590		600
	ACCGTCGCAT		TTCCTTTATG		GTTGAAATAT		ATTTCGTTAA		TCTAGCAATC

	610		620		630		640		650
	TCCGATCTTA		TGTTTGTATG		TACTTTACCA		TTTTGGATAA		TGTATCTTCT

	660		670		680		690		700
	TGAGCACGAC		GTCATGTCAC		ATGCATCCTG		TGTAGCAATG		ACAGCCATTT

	710		720		730		740		750
	TTTATTGCGC		GCTGTTTGCC		AGCACTGTTT		TCCTCTTGCT		AATTGTTTTA

	760		770		780		790		800
	GACAGATGTT		ACGCTATTCT		ATTAGGTACA		GAAAAAGCAA		ATAGACGTTT

	810		820		830		840		850
	ATTGCGCAAT		GCTGTTTCTG		GATGCATGCT		CATGTGGGGA		TTGTGTTTCA

	860		870		880		890		900
	TTTTAGCATT		ACCTCATTTT		ATCTTTATGA		AGAAAGGAAC		CAACGTATGT

	910		920		930		940		950
	GTAGCAGAGT		ATGAACCAGG		ACTTAACAAT		TTCTATGTTA		TTTTTATCAA

	960		970		980		990		1000
	TACTGAGGTG		AACCTATGCA		CCCTAGTTTT		GCCAGCCGCA		GCCATTATCT

FIG. 5A

```
           1010            1020            1030            1040            1050
      ACTGGTATCT      TAAACTAACC      AAAGCACTCA      AAACCCATGA      ACGACTGCGT

           1060            1070            1080            1090            1100
      CATAGGCTAA      CGTCTCTAAA      CATAGTGTTA      GCTGTTGTCA      TTGTATTTGC

           1110            1120            1130            1140            1150
      TTTGTTTTGG      CTGCCGTATA      ATCTCATGCT      TATGATGTAT      AGCTTAGTTC

           1160            1170            1180            1190            1200
      ACATGCAGAT      ACCTTGGGAA      TGCAGCTCTG      AAAAAATACT      GAGACGAAGT

           1210            1220            1230            1240            1250
      TTAATTATTA      CAGAATCCAT      CGCCCTCAGT      CACTGTTGCA      TCAACCCCAT

           1260            1270            1280            1290            1300
      TATCTACTTG      CTCTTCGGAC      CTCGCTGTCG      AAGCGAGTTC      TGTCACCTGT

           1310            1320            1330            1340            1350
      TGCGATGTTG      CTTTACGCGC      TTATGTCCAC      ACAGATCCTG      GAGTTCCATA

           1360            1370            1380            1390            1400
      CGTGCAGAGA      CGGTGTCCAT      CAGTCTCAGT      CACTCACAGG      TATCTGCATC

           1410            1420            1430            1440            1450
      ATCTGAGGAT      GATGACAACG      ATGTGCATGA      TGAATTGCAA      TTTTTAATTT

           1460
      GA --------
```

FIG. 5B

10	20	30	40	50
ATGACCAATC	TTTACTCTGC	CAATTTTCTC	ACCTTGATAG	TACTTCCTTT
60	70	80	90	100
TATCGTTTTA	AGCAATCAAC	ACCTTTTACC	TGCCAGTGCA	GTAACCTGTA
110	120	130	140	150
AATTTCTCTC	CCTGTTGTAC	TACTCTAGCT	GCAGCGTAGG	TTTTGCTACA
160	170	180	190	200
GTGGCACTGA	TAGCGGCCGA	CCGATACCGA	GTGATTCATC	GCCGAACTCA
210	220	230	240	250
AGCTCGCCAA	TCCTACCGTA	ACACATATAT	GATAGTAGGC	TTAACGTGGC
260	270	280	290	300
TCATTGGCTT	GATCTGCGCT	ACCCCCGGGG	GGGTCTACAC	AACCATTGTA
310	320	330	340	350
GCTCACCGCG	ATGGGGAAAG	TGATGCTCAA	AGACACAATA	CTTGCATTAT
360	370	380	390	400
GCACTTTGCG	TATGATGAAG	TTTACGTCCT	CATGGTCTGG	AAACTTCTCA
410	420	430	440	450
TCGTTTTAGT	CTGGGGCATA	GTGCCAGTTG	TCATGATGAG	CTGGTTTTAC
460	470	480	490	500
GCGTTTTTTT	ACAATACTGT	ACAAAGAACA	GCCAAAAAAC	AACAACGTAC
510	520	530	540	550
GTTGAAATTC	GTAAAGGTAT	TACTCCTGTC	ATTCATCATC	ATCCAAACTC
560	570	580	590	600
CCTATGTGTC	AATCATGATT	TTTAACACGT	ATGCCACCGT	AGGATGGCCG
610	620	630	640	650
ATGGAATGCG	CCGATCTAAC	TAGACGCCGA	GTCATCAACA	CGTTTTCCCG
660	670	680	690	700
TCTCGTCCCC	AATCTACATT	GCATGGTCAA	CCCCATCCTC	TACGCTCTCA
710	720	730	740	750
TGGGAAATGA	CTTTGTGTCT	AAAGTGGGCC	AATGCTTTCG	GGGGGAACTC
760	770	780	790	800
ACGAACCGTC	GAACTTTTCT	GCGTTCCAAG	CAACAAGCCC	GCAACTCGGA
810	820	830	840	850
CGATGTACCG	ACAATTGTCA	GTCAACAACC	CGCCACACCC	ACCATCGTCA
860	870	880	890	900
ATAAGCCCGA	AAAAAACCCG	CACGTAAAAC	GCGGTGTATC	TTTCAGCGTC
910	920	930	940	950
AGCGCATCTT	CCGAACTCGC	AGCGGCCAAA	AAAGCCAAAG	ACAAAGCCAA
960	970	980	990	
GCGGCTTTCC	ATGTCCCACC	AAAACCTACG	TCTGACGTGA	

FIG. 6

```
        10              20              30              40              50
ATGGCAGTCA      CTTTACGAGG      CGGCAGCCCG      ATAAACTTTA      AACTCATGAT

        60              70              80              90             100
TGTCAGCCAC      AGAAACCGGA      AATTTCACGA      GATACGGCTG      TTTCAGCGTT

       110             120             130             140             150
CTGCTATCCG      TCCAGGCGGG      TTATGGAAAC      CATTCTTCAC      AACCGAACG-

       160             170             180             190             200
----------      ----------      ----------      ----------      ----------

       210             220             230             240             250
----------      ----------      ---- AGTGA      AACTAATTCC      ATTTTGCACA

       260             270             280             290             300
·TCAACACCAC     CTGCAATGTG      ACCGACTCAC      TGTACGCCGC      CAAACTAGGC

       310             320             330             340             350
GAAGCCCTCG      TGAACAGCGC      GCTAGCTTTA      TTCGGTACCC      CCCTCAACGC

       360             370             380             390             400
CATCGTCCTC      GTCACACAGC      TATTGGCCAA      CCGAGTTCAT      GGATACTCCA

       410             420             430             440             450
CCCCGATTAT      CTACATGACC      AATCTTTACT      CTGCCAATTT      TCTCACCTTG

       460             470             480             490             500
ATAGTACTTC      CTTTTATCGT      TTTAAGCAAT      CAACACCTTT      TACCTGCCAG

       510             520             530             540             550
TGCAGTAACC      TGTAAATTTC      TCTCCCTGTT      GTACTACTCT      AGCTGCAGCG

       560             570             580             590             600
TAGGTTTTGC      TACAGTGGCA      ·CTGATAGCGG     CCGACCGATA      CCGAGTGATT

       610             620             630             640             650
CATCGCCGAA      CTCAAGCTCG      CCAATCCTAC      CGTAACACAT      ATATGATAGT

       660             670             680             690             700
AGGCTTAACG      TGGCTCATTG      GCTTGATCTG      CGCTACCCCC      GGGGGGGTCT

       710             720             730             740             750
ACACAACCAT      TGTAGCTCAC      CGCGATGGGG      AAAGTGATGC      TCAAAGACAC

       760             770             780             790             800
AATACTTGCA      TTATGCACTT      TGCGTATGAT      GAAGTTTACG      TCCTCATGGT

       810             820             830             840             850
CTGGAAACTT      CTCATCGTTT      TAGTCTGGGG      CATAGTGCCA      GTTGTCATGA

       860             870             880             890             900
TGAGCTGGTT      TTACGCGTTT      TTTTACAATA      CTGTACAAAG      AACAGCCAAA

       910             920             930             940             950
AAACAACAAC      GTACGTTGAA      ATTCGTAAAG      GTATTACTCC      TGTCATTCAT

       960             970             980             990            1000
CATCATCCAA      ACTCCCTATG      TGTCAATCAT      GATTTTTAAC      ACGTATGCCA
```

FIG. 7A

```
        1010           1020           1030           1040           1050
  CCGTAGGATG     GCCGATGGAA     TGCGCCGATC     TAACTAGACG     CCGAGTCATC

        1060           1070           1080           1090           1100
  AACACGTTTT     CCCGTCTCGT     CCCCAATCTA     CATTGCATGG     TCAACCCCAT

        1110           1120           1130           1140           1150
  CCTCTACGCT     CTCATGGGAA     ATGACTTTGT     GTCTAAAGTG     GGCCAATGCT

        1160           1170           1180           1190           1200
  TTCGGGGGGA     ACTCACGAAC     CGTCGAACTT     TTCTGCGTTC     CAAGCAACAA

        1210           1220           1230           1240           1250
  GCCCGCAACT     CGGACGATGT     ACCGACAATT     GTCAGTCAAC     AACCCGCCAC

        1260           1270           1280           1290           1300
  ACCCACCATC     GTCAATAAGC     CCGAAAAAAA     CCCGCACGTA     AAACGCGGTG

        1310           1320           1330           1340           1350
  TATCTTTCAG     CGTCAGCGCA     TCTTCCGAAC     TCGCAGCGGC     CAAAAAAGCC

        1360           1370           1380           1390           1400
  AAAGACAAAG     CCAAGCGGCT     TTCCATGTCC     CACCAAAACC     TACGTCTGAC

        1410
  GTGA------
```

FIG. 7B

10	20	30	40	50
ATGATTACGG	AGCGCGTCCT	CGCAGGCATC	CTCGCGGGCA	TGACGGCCGC
60	70	80	90	100
GGGGAGTTTG	GTCATTCTCC	TCGCGGTTGT	TATGTGGTTG	AACATGTTAG
110	120	130	140	150
ATCGCGCTGG	CATGCCAATG	GCCGTTGGGC	ATTACACAGG	GAACCTGGTG
160	170	180	190	200
TTGACTCAGG	TCATCTGTAT	CTTCTCCATG	CTGGCGTCTA	AAATTGTTGG
210	220	230	240	250
CATGACGAGT	GCGGCCAACA	TGGGCTTCTG	CGGCATCGTG	GTTTTCTGG
260	270	280	290	300
AAGACACTGG	CCTCTATGTC	ACCTCGCTGC	TCTTCATGTT	TATGATCCTG
310	320	330	340	350
GATCGCATGG	CGGCTTTTCT	TAACGGGCGT	CTTTTCTGGA	GGCAGCAGAC
360	370	380	390	400
GACGAAGCAG	AATCTGAGTA	CAAGCGTGTA	CATTATTCTG	TTTTGCTGGG
410	420	430	440	450
TGTTGGGAAT	GGCCGCGGCT	GTTCCCAGCG	CGGCTGTGGC	TGCACCCAAT
460	470	480	490	500
TCCAGGTGGG	AACGCTGCGA	AATTCCAGTG	TCATATGCCG	CAATCGACAT
510	520	530	540	550
GATTGTGAAG	CTCTGGTTTG	TGCTGTTGGC	ACCCGTCGTG	CTGATTATGG
560	570	580	590	600
CTGTGATCAT	TCAATCTTCC	TATCATCGTG	ATCGGGAGAG	GATCTGGTAC
610	620	630	640	650
TATGCCAGAC	GTGTGTTCAT	GTTCTACACG	GCCTGCTTTG	TCATGATGGT
660	670	680	690	700
GCCTTATTAC	TTCGTCAGAG	TCATGCTGAG	CGACTTTGCT	TTGGTTGATA
710	720	730	740	750
TAAAAACAAA	AACGGCGAAC	AGCGACGGTT	GTGATTCGAC	ATTTCTTGAT

FIG. 8A

	760	770	780	790	800
	TATCTGAACA	TGTTCACTCA	CGTGATTTAC	AGTTTTAAGT	TGGTGGTGTT
	810	820	830	840	850
	TGCTTTGTTC	ATTGTCCTGT	TTTGCTCCAT	AAACCCGATG	GAAACGCTGG
	860	870	880	890	900
	AAGAATGCTT	GGAGAGGGCC	GATGCTGAGA	GGCAAAGTCG	GTCAGAAGCA
	910	920	930	940	950
	TCCCAGGGTG	AAAGGAGGCT	GCCAATCAAC	ACATGCTGTA	TAAAGTTGAT
	960	970	980	990	1000
	TGAATTGATA	AAGCAGTATG	TAAGCACTCT	CTCTAAAGCC	ACGAGGGACA
	1010	1020	1030	1040	1050
	ATTCTGGCGA	AAGGGCCAAT	TTGCCAGAGA	ATGCTGAAGA	TATTGGAACA
	1060	1070	1080	1090	1100
	ACTGGCAGTG	ATCAGCTACC	GACTGAGGTC	ACCGTGACCC	CAAATTCATC
	1110	1120	1130	1140	
	GGCTGTGTTT	AGCACTGGAG	GAACGGTGTC	TCCAGTCTAA	

FIG. 8 B

~~RhUS28.4~~

AT

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       10         20         30         40         50         60
GAATTCGAGC CAGCACAACA TAAGCGTGTT TCTCTCCATT GGAGCAGGGC CCGTCATTAC

       70         80         90        100        110        120
CGGATACACG TGCGTTTTTC TGTTCGGGAT TCTGGGACAC TTTTACTTGT ATTGGAAAAA

      130        140        150        160        170        180
CCATCAGAGA CGACACCGGA CAAACAGTTT CAGTGATGTT TTATTTCGAC ATCTCATGAT

      190        200        210        220        230        240
CACCGAAGAG GTCTTTACCC TCACCATTCC CGTCTGGGCG TATCACTTAA CTACTCACGG

      250        260        270        280        290        300
CAACTTACCG GGCTCGTGGT GCCGAAGTCT CACCTTCGTT TTTTATCTAA CGGTATTCGC

      310        320        330        340        350        360
TCGTGCCTTC TTTTACCTGC TCCTCATCTG GGACCGATAC AGCGTAATCA TCTGCAGACA

      370        380        390        400        410        420
CCCTCTCCCC GTTAATCTGA ACTACAGTCA GGTCATAGGC CTGTCTGTCT GGCTGGTTGC

      430        440        450        460        470        480
CGTACTGTCA GCATCACCGT TCTCCATTTT TAACGGAAGT GTGAAACAAT GCCTGGGCAA

      490        500        510        520        530        540
CATGGGCAGC ATACCCAGCG AATCGTCTGC CGTTCTTAAC CTGGAAGTGC ACCTGTGCTC

      550        560        570        580        590        600
CTTCTGGTTA CCGCTCATCA TGTCGGCTAA CTGTTACTAC CAAGCAAAAC GCCGAGCATC

      610        620        630        640        650        660
GCCTGACCAA CTCCACGAAC TTTACCGATG CAGTTTGCTA ATTACCATTA TCACAACTTA

      670        680        690        700        710        720
CGCTATCGTA TGGTTTCCTT TCCATCTCGC TTTACTCATA GACGCCCTGA TTAGCATAAG

      730        740        750        760        770        780
CCATGTAGAA CCCTCTAGCG CTCTCCACTG GGCATCCATT GTCGTTACCT GTAAATCATT

      790        800        810        820        830        840
TACATTTGTA TATGCGGGCA TAAGCCCACT AGTGTATTTC ACATGCTGCC CCACCGTACG

      850        860        870        880        890        900
TCGCGAACTG CTGATGTCTC TACGTCCATT CTTCACCTGG ATTTCCAGCA AAACGCGGCG

      910        920        930        940        950        960
AGGCTACGCT CCGATTAAAA CACAACCTTT AAACATCCCC GACGAGCCGA TAGATAACAA

      970        980        990       1000       1010       1020
GTCACCGCAC CTGTTAAACG AATAA..... .......... .......... ..........
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FIG. 4